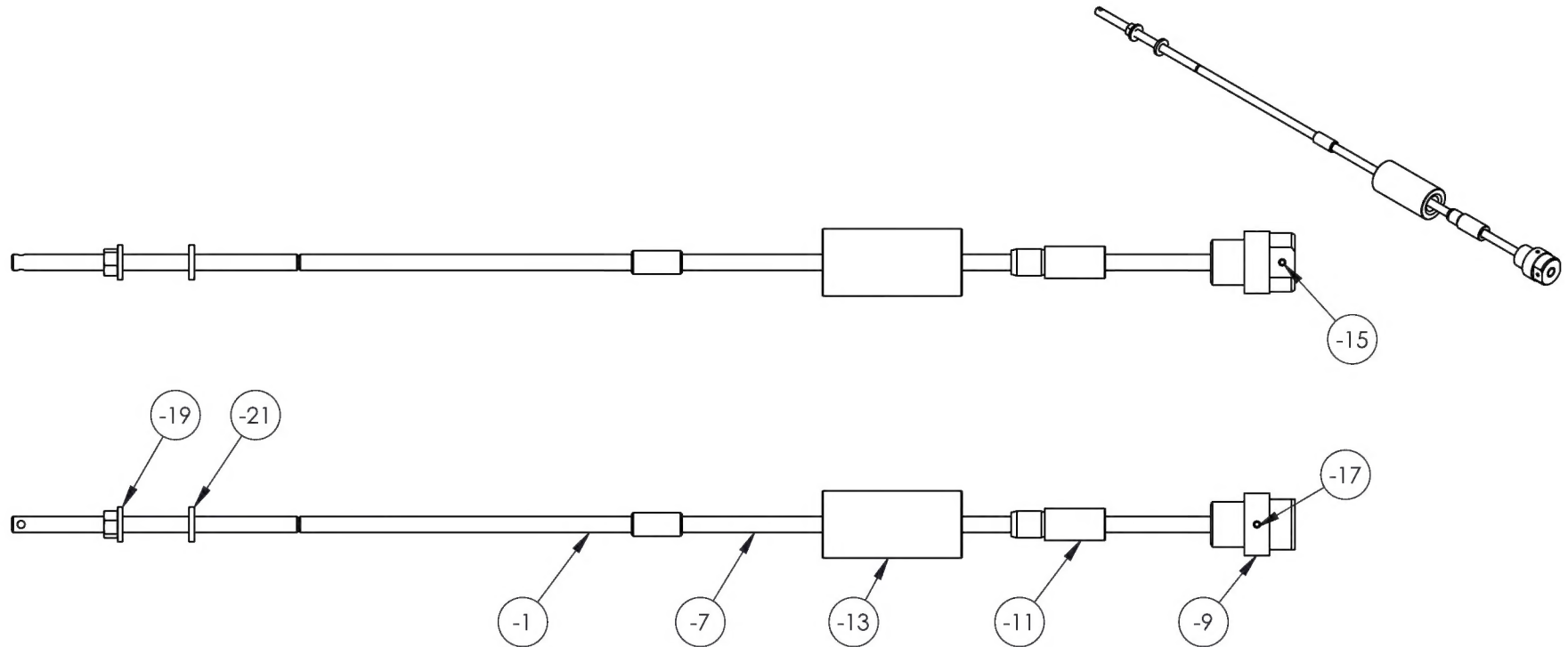


This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	14-0230	MADE SEPARATE DRAWING FOR THIS TOOL FROM KIT RBW109-3130-82-139.	1/7/2015	RJC	JAG



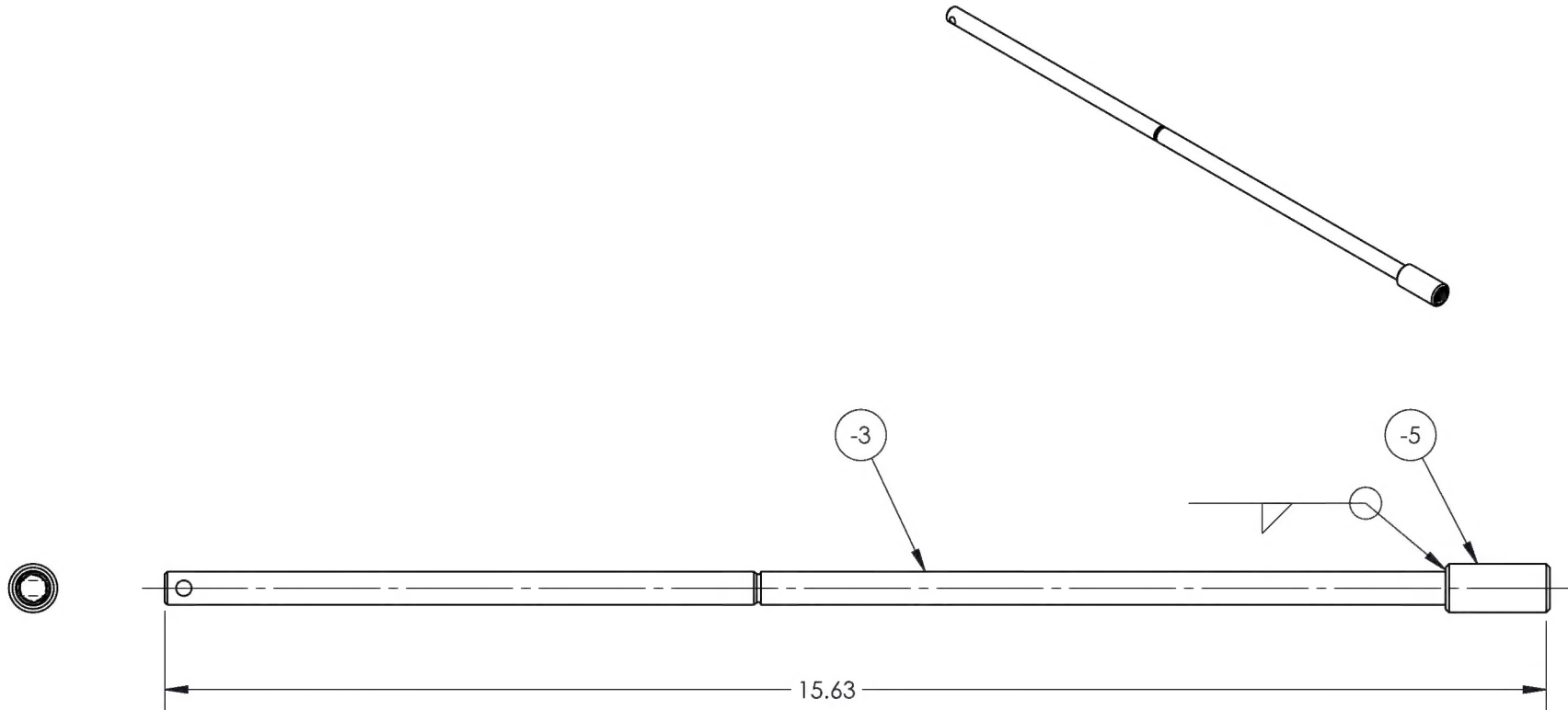
NOTE:
1. REF. AGUSTA T/N: 109-3130-82-105.
2. PART OF KIT RBW109-3130-82-139.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	ROD WELDMENT			2
	1		-3		THREADED ROD	4140/4142		3
	1		-5		COUPLING NUT	STEEL GRD 5	3/8-16 X 1-3/4 (MCMASTER-CARR #90977A165) MODIFIED	4
			-7	1	EXTENSION ROD	4140/4142		5
			-9	1	ADAPTER	4140/4142		6
			-11	1	GUIDE	4140/4142		7
			-13	1	HANDLE	6061		8
		B/O	-15	1	SLOTTED SPRING PIN	STEEL	Ø4.4mm X 30mm (MCMASTER-CARR #91611A213)	1
		B/O	-17	1	SLOTTED SPRING PIN	STEEL	Ø4.4mm X 36mm (MCMASTER-CARR #91611A216)	1
		B/O	-19	1	COLLAR NUT	STEEL	3/8-16 UNC (REID #FNC-3)	1
		B/O	-21	1	OVERSIZED WASHER	STEEL	3/8 I.D. (MCMASTER-CARR #98025A031)	1
	ASSY -1							

TITLE TAIL ROTOR BUSHING INSTALLATION TOOL		
DWG NO. RBW109-3130-82-105		REV 2
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/8 ANGLES ± 5°		DRAWN BY: PERRITT APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL AW109, AW119
SCALE 1:4	DATE 8/26/2010	SHEET 1 OF 8

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

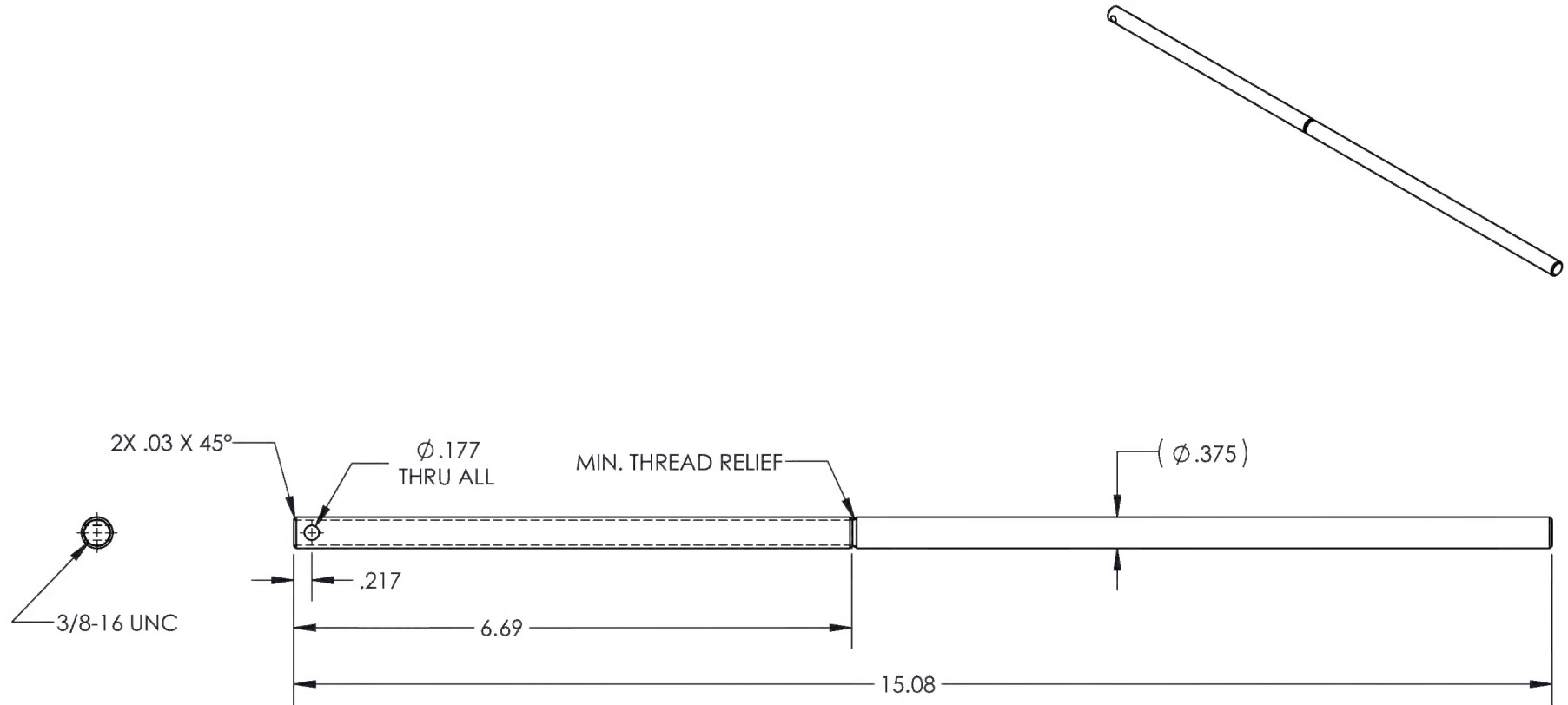


(-1)
ROD WELDMENT

DART AEROSPACE	
TITLE TAIL ROTOR BUSHING INSTALLATION TOOL	
DWG NO. RBW109-3130-82-105-1	REV 2
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 .XX ± .01 .X ± .1	DRAWN BY: PERRITT APPROVED <i>D Weil</i> HEAT TREAT FINISH CAD PLATE YELLOW SPEC QQ-P-416F, TYPE II, CLASS II USED ON MODEL AW109, AW119
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:2	DATE 8/26/2010
SHEET 2 OF 8	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

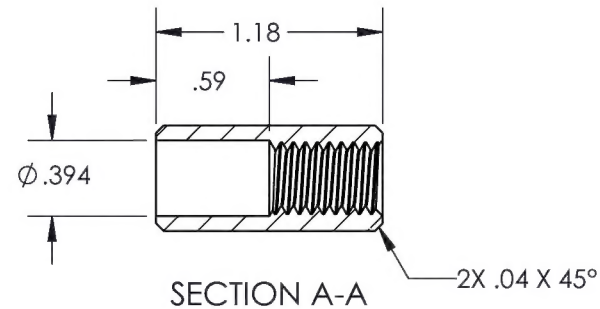
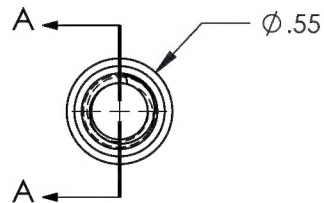
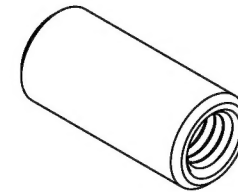


(-3)
THREADED ROD

DART AEROSPACE	
TITLE TAIL ROTOR BUSHING INSTALLATION TOOL	
DWG NO. RBW109-3130-82-105-3	REV 2
MAT'L 4140/4142	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT TREAT
.XX ± .01	FINISH SEE -1 WELDMENT
.X ± .1	ANGLES ± 5°
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL AW109, AW119
SCALE 1:2	DATE 8/26/2010
SHEET 3 OF 8	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

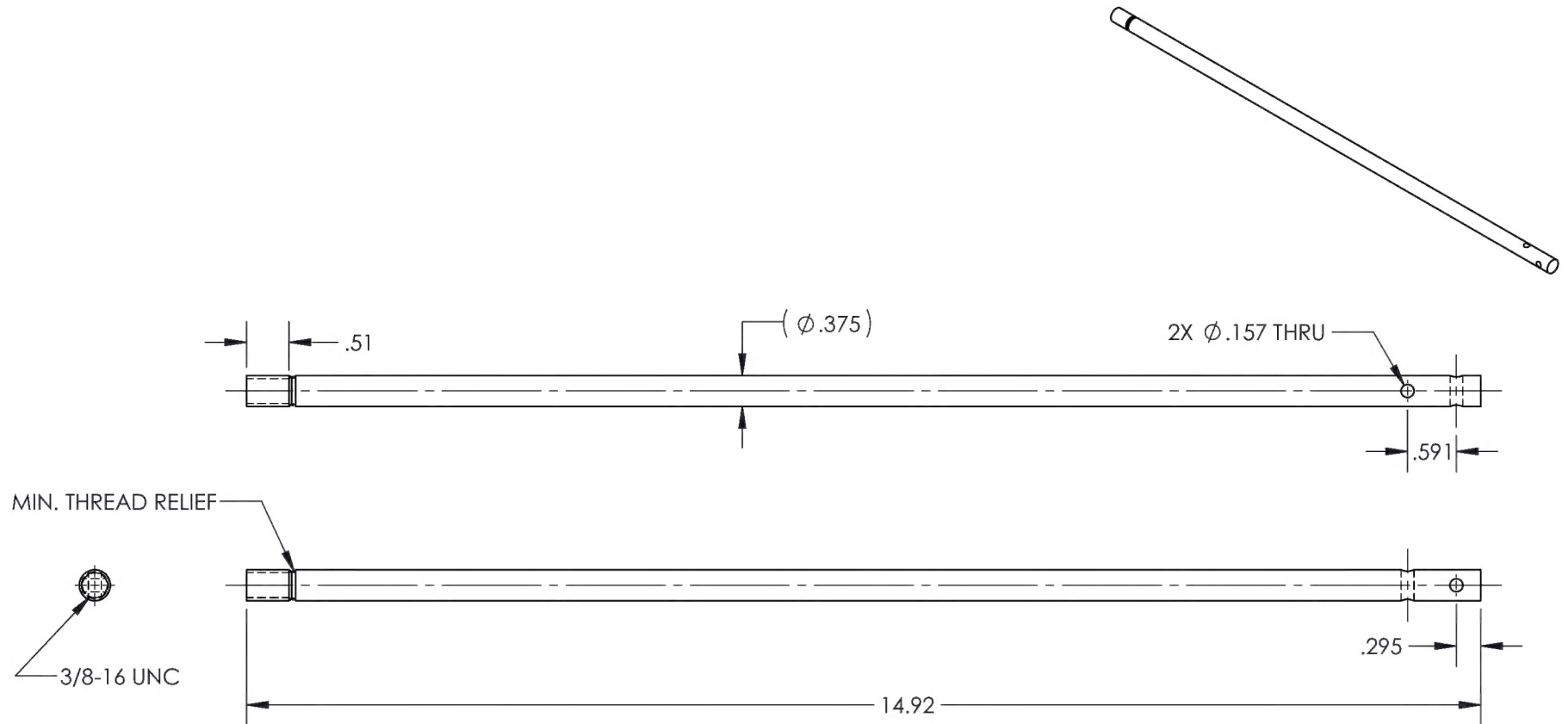


(-5)
COUPLING NUT

DART AEROSPACE	
TITLE TAIL ROTOR BUSHING INSTALLATION TOOL	
DWG NO. RBW109-3130-82-105-5	REV 2
MAT'L STEEL GRD 5	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH SEE -1 WEELDMENT
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW109, AW119
SCALE 1:1	DATE 8/26/2010
SHEET 4 OF 8	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL

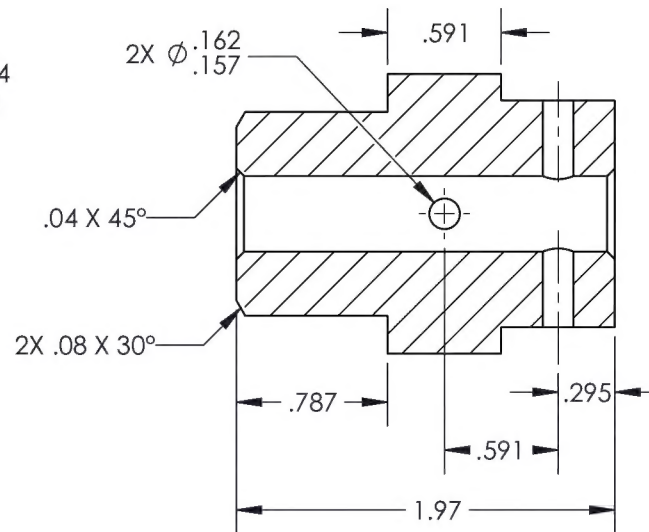
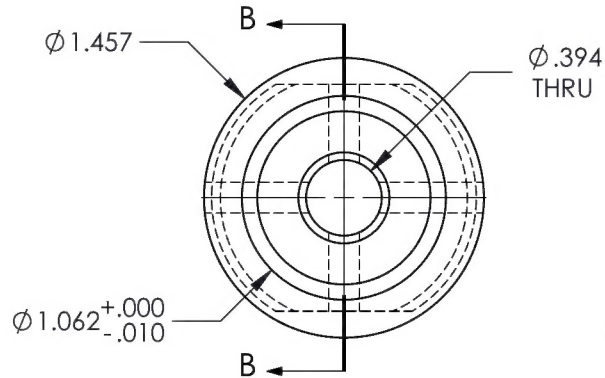
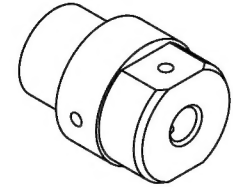


(-7)
EXTENSION ROD

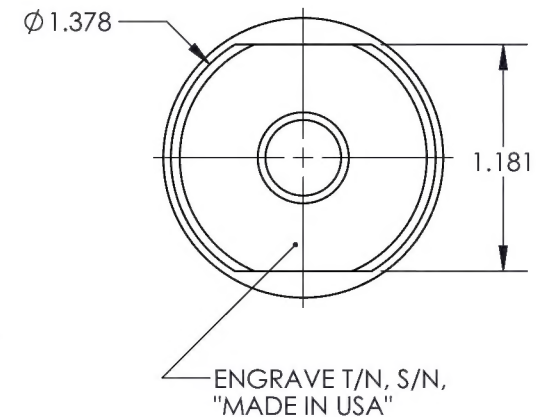
DART AEROSPACE	
TITLE TAIL ROTOR BUSHING INSTALLATION TOOL	
DWG NO. RBW109-3130-820-105-7	REV 2
MAT'L 4140/4142	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH CAD PLATE YELLOW
.X ± .1	SPEC QQ-P-416F, TYPE II, CLASS II
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW109, AW119
SCALE 1:2	DATE 8/26/2010
SHEET 5 OF 8	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS			
REV	ECR	DESCRIPTION	DATE



SECTION B-B



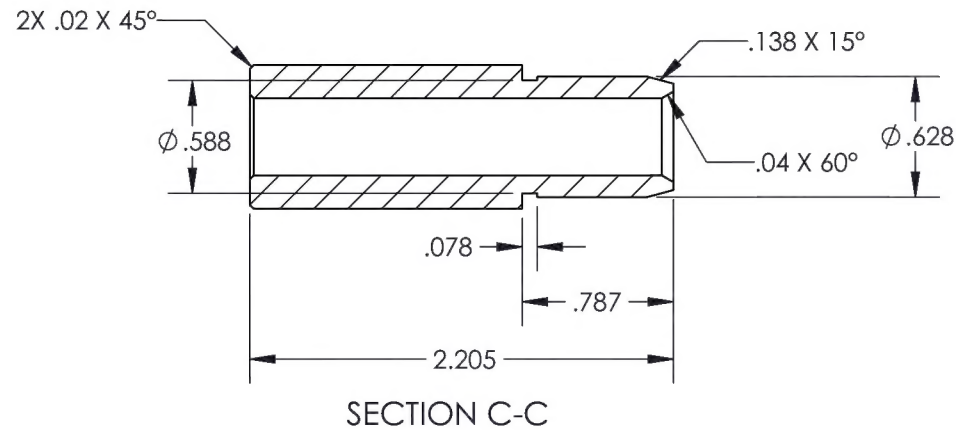
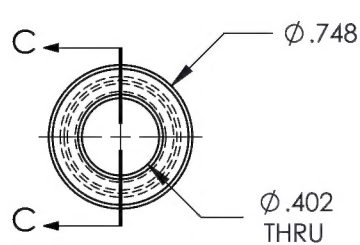
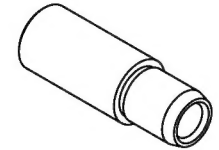
⑨

ADAPTER

DART AEROSPACE	
TITLE TAIL ROTOR BUSHING INSTALLATION TOOL	
DWG NO. RBW109-3130-82-105-9	REV 2
MAT'L 4140/4142	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 .XX ± .01 .X ± .1	HEAT TREAT FINISH CAD PLATE YELLOW
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC QQ-P-416F, TYPE II, CLASS II
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL AW109, AW119
SCALE 1:1	DATE 8/26/2010
SHEET 6 OF 8	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



SECTION C-C

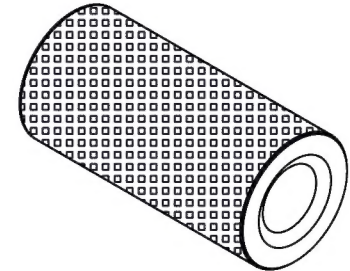
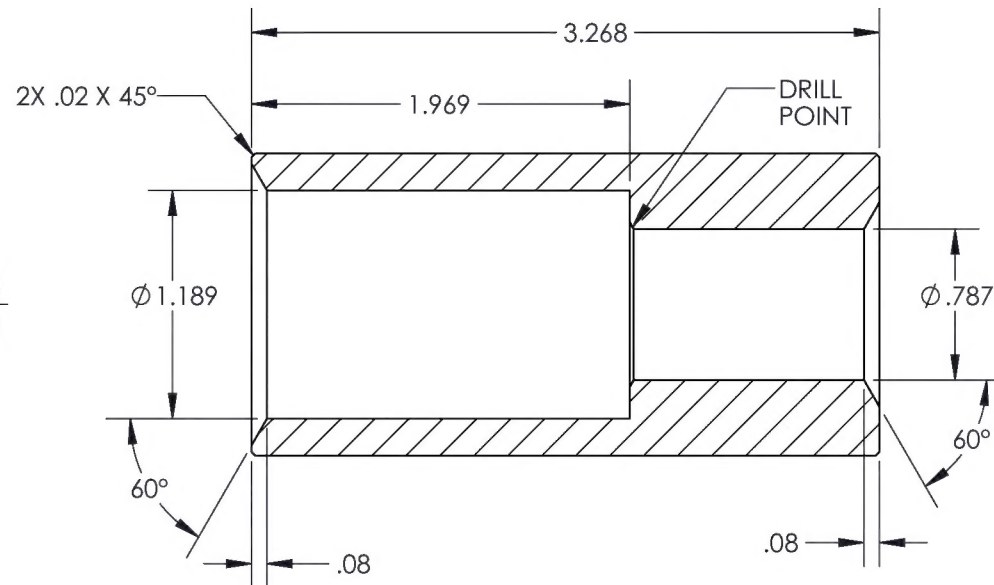
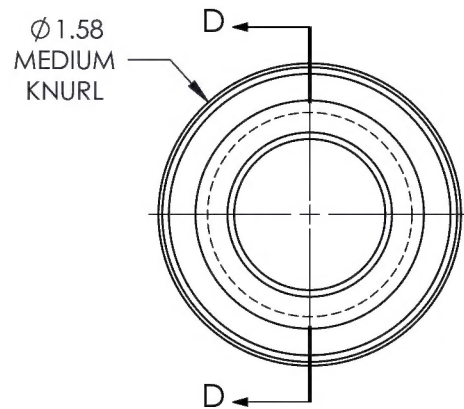
(11)

GUIDE

DART AEROSPACE	
TITLE TAIL ROTOR BUSHING INSTALLATION TOOL	
DWG NO. RBW109-3130-82-105-11	REV 2
MAT'L 4140/4142	DRAWN BY: PERRITT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>P. Weil</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT RC 30-36
.XX ± .01 ANGLES ± 5°	FINISH CAD PLATE YELLOW
.X ± .1	SPEC QQ-P-416F, TYPE II, CLASS II
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AW109, AW119
SCALE 1:1	DATE 8/26/2010
SHEET 7 OF 8	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL



SECTION D-D

(-13)

HANDLE



TITLE TAIL ROTOR BUSHING INSTALLATION TOOL		
DWG NO. RBW109-3130-82-105-13	REV 2	
MAT'L 6061	DRAWN BY: PERRITT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1	APPROVED <i>D Weil</i>	
	HEAT TREAT FINISH CLEAR ANODIZE	
	SPEC MIL-A-8625F, TYPE II, CLASS I	
	USED ON MODEL AW109, AW119	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SCALE 1:1	DATE 8/26/2010
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SHEET 8 OF 8	